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| FORM PTO-1390<br>MODIFIED   | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTORNEY'S DOCKET NUMBER<br>36-1859  |
| <b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>CONCERNING A FILING UNDER 35 U.S.C. 371</b>   |   | U.S. APPLICATION NO. (If not, use 37 C.F.R. 1.5)<br><b>10/509888</b><br>To be assigned |
| INTERNATIONAL APPLICATION NO.<br>PCT/GB03/01278   | INTERNATIONAL FILING DATE<br>25 March 2003              | PRIORITY DATE CLAIMED<br>02 April 2002   |
| TITLE OF INVENTION<br><b>A SUB-DUCTING APPARATUS</b>  |   |  |
| APPLICANT(S) FOR DO/EO/US<br><b>MAYHEW, Andrew et al.</b>   |   |  |
| <p>Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:</p> <ol style="list-style-type: none"><li><input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li><li><input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li><li><input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li><li><input type="checkbox"/> The U.S. has been elected by the expiration of 19 months from the priority date (Article 31).</li><li>A copy of the International Application as filed (35 U.S.C. 371(c)(2)).<ol style="list-style-type: none"><li><input checked="" type="checkbox"/> is attached hereto (10 pages specification, 16 claims &amp; abstract, 3 sheets drawings).</li><li><input checked="" type="checkbox"/> has been communicated by the International Bureau.</li><li><input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li></ol></li><li><input type="checkbox"/> An English language translation<ol style="list-style-type: none"><li><input type="checkbox"/> of the International Application as filed (35 U.S.C. 371(c)(2)) is attached hereto (        pages specification, claims &amp; abstract (        claims),        sheets drawings,        page Certificate of Translation).</li><li><input type="checkbox"/> of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. § 371(c)(5)).</li></ol></li><li><input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))<ol style="list-style-type: none"><li><input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li><li><input type="checkbox"/> have been communicated by the International Bureau.</li><li><input type="checkbox"/> have not been made; however, the time limit for making such amendments has <b>NOT</b> expired.</li><li><input type="checkbox"/> have not been made and will not be made.</li></ol></li><li><input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li><li><ol style="list-style-type: none"><li><input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li><li><input type="checkbox"/> Declaration was submitted to the International Bureau during International Phase (see copies of Declaration (        page Form PCT/RO/101 and Form PCT/IB/371 and first page of printed publication acknowledging receipt thereof attached).</li></ol></li><li>See item 6.b. above.<br/><b>Items 11 To 20 below concern document(s) or information included:</b></li><li><input checked="" type="checkbox"/> An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98.</li><li><input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included.</li><li><input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment.</li><li><input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</li><li><input type="checkbox"/> A substitute specification.</li><li><input type="checkbox"/> A change of power of attorney and/or address letter.</li><li><input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.</li><li><input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</li><li><input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li><li><input checked="" type="checkbox"/> Other items or information. Identification of Practitioners to be Recognized, International Search Report and PTO Form 1449</li></ol> |   |  |

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| U.S. APPLICATION NO. (If known) <b>10/509888</b><br>TO BE ASSIGNED |  | INTERNATIONAL APPLICATION NO.<br><b>PCT/GB03/01278</b> |  | ATTORNEY'S DOCKET NUMBER<br><b>36-1859</b> |  |
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|  |              |              |      |           |                                  |               |  |  |  |
|--|--------------|--------------|------|-----------|----------------------------------|---------------|--|--|--|
| 21. <input checked="" type="checkbox"/> The following fees are submitted:<br><b>BASIC NATIONAL FEE (37 C.F.R. 1.492(a)(1)-(5):</b><br>-- Neither international preliminary examination fee (37 C.F.R. 1.482) nor international search fee (37 C.F.R. 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO .....\$1110.00<br>-- International preliminary examination fee (37 C.F.R. 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO.....\$950.00<br>-- International preliminary examination fee (37 C.F.R. 1.482) not paid to USPTO but international search fee (37 C.F.R. 1.445(a)(2)) paid to USPTO.....\$790.00<br>-- International preliminary examination fee (37 C.F.R. 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4).....\$750.00<br>-- International preliminary examination fee (37 C.F.R. 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4).....\$100.00<br><br><div style="text-align: right;"><b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b></div><br>Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. 1.492(e)). |              |              |      |           | <b>CALCULATIONS PTO USE ONLY</b> |               |  |  |  |
|  |              |              |      |           | \$                               | 950.00        |  |  |  |
|  |              |              |      |           | \$                               | 0.00          |  |  |  |
| CLAIMS   | NUMBER FILED | NUMBER EXTRA | RATE |           | \$                               |               |  |  |  |
| Total Claims   | 15           | minus 20 =   | 0    | X \$18.00 | \$                               | 0.00          |  |  |  |
| Independent Claims   | 2            | minus 3 =    | 2    | X \$88.00 | \$                               | 0.00          |  |  |  |
| MULTIPLE DEPENDENT CLAIMS(S) (if applicable)   |              |              |      | \$300.00  | \$                               | 0.00          |  |  |  |
| Petition is hereby made to extend the current due date so as to cover the filing date of this paper and attachment(s) (\$110.00/1 month; \$430.00/2 months; \$980.00/3 months)   |              |              |      |           | \$                               | 0.00          |  |  |  |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>   |              |              |      |           | \$                               | <b>950.00</b> |  |  |  |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.   |              |              |      |           |                                  | 0.00          |  |  |  |
| <b>SUBTOTAL =</b>  |              |              |      |           | \$                               | <b>950.00</b> |  |  |  |
| Processing fee of \$130.00, for furnishing the English Translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. 1.492(f)).   |              |              |      |           |                                  | 0.00          |  |  |  |
| <b>TOTAL NATIONAL FEE =</b>  |              |              |      |           | \$                               | <b>950.00</b> |  |  |  |
| Fee for recording the enclosed assignment (37 C.F.R. 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). <b>\$40.00</b> per property  |              |              |      |           | \$                               | 40.00         |  |  |  |
| Fee for Petition to Revive Unintentionally Abandoned Application (\$1330.00 - Small Entity = \$665.00)   |              |              |      |           | \$                               | 0.00          |  |  |  |
| <b>TOTAL FEES ENCLOSED =</b>   |              |              |      |           | \$                               | <b>990.00</b> |  |  |  |
|  |              |              |      |           | Amount to be:                    |               |  |  |  |
|  |              |              |      |           | refunded                         | \$            |  |  |  |
|  |              |              |      |           | Charged                          | \$            |  |  |  |

  

a. ☒ A check in the amount of \$990.00 to cover the above fees is enclosed.  
 b. ☐ Please charge my Deposit Account No. 14-1140 in the amount of \$\_\_\_\_\_ to cover the above fees. A duplicate copy of this form is enclosed.  
 c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-1140. A duplicate copy of this form is enclosed.  
 d. ☒ The entire content of International Application No. **PCT/GB03/01278** and any U.S. and foreign application(s) corresponding thereto, **02252379.9**, referred to in this application is/are hereby incorporated by reference in this application.

**NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a) or (b)) must be filed and granted to restore the application to pending status.**

**CORRESPONDENCE ADDRESS**  
**Direct all correspondence to:**

☒ **Customer Number:**

**23117**

Place Customer Number Bar Label Here →

Type Customer Number here

Telephone: (703) 816-4000  
 LSN:lcb

**Larry S. Nixon**  
 NAME

**25,648**  
 REGISTRATION NUMBER

**October 1, 2004**  
 Date